

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Binding energy per nucleus for uranium is above:	A. 6.7 Mev B. 7.7 Mev C. 6.9 MeV D. 7.9 MeV
2	The binding energy for nucleus A is 7.7 Me V and that for nucleus B is 7.8 MeV. Which nucleus has the larger mass?	A. Nucleas A B. Nucleus B C. Less than nucleus D. None of these
3	A charged particle having charge 'q' is moving at right angle to magnetic field. The quantity which varies is.	A. Speed B. Kinetic energy C. Path of motion D. angular velocity
4	The energy of photon is givne by	A. $mv^2/2$ B. $hf$ C. $Va e$ D. $mac^{sup>1</sup>}$
5	The binding energy for _____ is maximum.	A. Copper B. Glass C. Iron D. Aluminum
6	Gauss's law can only be applied to.	A. A curved surface B. A flat surface C. A closed surface D. A surface of any shape
7	The colour of light emitted by a LED depends on.	A. It forward biased B. Its reverse biased C. Unbiased D. None of these
8	The minimum energy required for occurrence of pair production is:	A. 1.022eV B. 1.02keV C. 1.02Me.V D. 1.04MeV
9	For workers in nuclear facilities is, a weekly does of is normally considered safe	A. 1.0 msv B. 5.0 msv C. 2.0 msv D. 3.0 msv
10	The chargeless region after formation of Pn junction is called:	A. Free region B. Depletion region C. Field region D. U.V region
11	Transistor was invented by:	A. Bardeen B. Micheal faraday C. Lenz D. Newton
12	OR gate is represented by:	A. $X = A+B$ B. $X=A.B$ C. $X=A+B$ D. $X=A.B$
13	A metal rod of 1 m is moving at a speed of 1 ms <sup>-1</sup> in a direction making an angle 30° with 0.5 T magnetic field . The emf produced is.	A. 0.25 N B. 2.5 N C. 0.25 V D. 2.5 V
14	The electric field created by positive charge is:	A. Radially outward B. Circular C. Radially inward D. Zero
15	A pair of quark and anti quark makes a.	A. Meason B. harden C. Lapton D. Baryon

16	In order to measure potential difference voltmeter is always connected in.	A. Series B. Parallel C. Both a and b D. Neither in series nor in parallel
17	The SI unit of relative permittivity is.	A. $\text{Fm}^{-1}$ B. $\text{C}^2\text{N}^{-1}\text{m}^{-2}$ C. $\text{Nm}^2\text{C}^{-2}$ D. No unit
18	Drift velocity of electrons is.	A. $10^{-1} \text{ m/s}$ B. $10^{-2} \text{ m/s}$ C. $10^{-3} \text{ m/s}$ D. $10^{-3} \text{ m/s}$
19	By winding the coil around a less magnetic core, self induction.	A. Will increase B. Will decrease C. Remain same D. First increase then decrease
20	What is the resistance of carbon resistor which has band brown black brown.	A. 100 Ohm B. 1000 Ohm C. 10 Ohm D. 1.0 Ohm